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CURRENT PATENTS

(The following abstracts were selected from current patent lists. Selection was made on the basis of importance to the wood industry and space available, and as such no attempt has been made to present a complete list. Printed copies of the complete patents may be purchased from the U.S. Patent Office at 50 cents each. Address orders to the Commissioner of Patents, Washington, D.C. 20231.)

3,905,266 — Bandmill strain system. J. Weavell and J. H. Porter, assignors to CAE Machinery Ltd., Vancouver, Canada. A bandmill, comprising a frame, first and second bandwheels for receiving and guiding a bandsaw, first and second pairs of journals respectively journalling said first and second bandwheels, means fixedly mounting said first pair of journals in said frame, a pair of jacks each independently supporting one each of said second pair of journals, a pair of torque bars each having two offset oppositely facing recesses, a first pair of knife-edged members each mounted on one of said jacks and engaging in one recess in one of the torque bars, a second pair of knife-edged members each mounted on one of said second journals and engaging in the other recess in one of the torque bars, a pair of rocker arms each secured so as to project radially from one of said torque bars for rotation therewith, a pair of bracket members mounted on and extending in parallel relation one each from each of said jacks, a cross shaft mounted for rotation between said bracket members, a pair of levers extending from said cross shaft adjacent each end thereof for rotation therewith, a pair of links each connecting a rocker arm to one of said levers, an actuating lever extending from said cross shaft at a central position, a bridge member extending across said bracket members above said actuating lever, and a gas spring secured between said actuating lever and said bridge member whereby pressurization of the gas spring causes simultaneous rotation of said torque bars to increase the spacing of said second journals from said jacks.

3,905,921 — Rapidly foamable, fast-setting phenolic resin plywood glue. C. N. Cone and J. M. Steinberg, assignors to Pacific Adhesives Company, Inc., Hillsboro, Oreg. A rapidly foamable, fast-setting phenolic resin liquid plywood glue comprising: an aqueous alkaline solution of a resinous condensation product of a phenol and an aldehyde having a resin solids content of from 30-45% by weight, the resinous condensation product having a degree of advancement such as to impart to the aqueous resin solution a viscosity of from 3-30 poises, dried animal blood having a water solubility not exceeding 90% by weight used in amount sufficient to render the liquid glue convertible upon agitation in a gas and in less than 30 seconds, to a foam having a density of less than 0.5 grams/cc, from 0.1 to 10% by weight, based on the dried weight of the blood, of an aldehyde glue viscosity lowering agent, and, water used in amount sufficient to impart to the liquid glue a viscosity of from 1-50 poises.

3,906,829 — Log positioners. P. J. Westfall, Portland, Oreg. In combination, feeler means at a sawline having a log contact member, setwork means for advancing a log laterally toward and past the feeler means, means responsive when the contact member is engaged by the forward side of the log for indicating a position of the log in which the forward side of the log is at the sawline, and retracting means for lowering the contact member out of the path of the log to permit the setworks means to advance the log beyond said position, the retracting means comprising a cylinder for raising the contact member to an extended position in the path of a log and for lowering the contact member to a retracted position out of the path of a log, said responsive means including sensing means responsive to the contact of the log with the contact member for giving an indication of the contact.

3,906,891 — Wood-staining apparatus. F. D. Roberts, assignor to Cedar Falls Corporation, Bellevue, Wash. A machine for coating solid products comprising a frame, means on said frame for catching excess fluid, arbor means removably secured to said frame in said fluid catching means, said arbor means including horizontal support means lying outside of said excess fluid catching means and a pair of transversely spaced, vertical bars extending downward from said support means into said excess fluid catching means, a pair of rotatable drive rolls and at least one rotatable brush secured to said vertical bars, means for rotating said brush and at least one of said rolls, means for applying coating fluid to said product as it is passed through said rolls and brush, said arbor including a quick release coupling for securing the arbor horizontal support means to said frame whereby the entire set of drive rolls and brush can be removed as an integral unit and wherein the horizontal support means remains out of and thus free of fluid to reduce cleaning time.

3,907,016 — Peripheral chipper cutting bit holder. T. W. Nicholson and R. B. Jorgensen, assignors to Nicholson Manufacturing Company, Seattle, Wash. In a chipper, a hollow rotary cylindrical chipping drum including a plurality of bits having cutting edges projecting generally tangentially outward from its periphery, each of said bits being a bent plate including a central plate portion and two opposite side plate portions at dihedral angles to said central plate portion and having a cutting edge at an end including a central section and two side sections, said central plate portion and said side plate portions being of equal thickness, said three cutting edge sections being disposed substantially in a plane perpendicular to said central plate portion.

3,907,130 — Kiln sticker. D. Hutcheson, Huntsville, Ontario, Canada. A kiln sticker for lumber having a top bearing and a bottom bearing to engage the under surface and top surface, respectively, of two spaced-apart boards of stacked lumber, the transverse extent of said top bearing being substantially greater than a point whereby not to bruise the lumber, and substantially less than the width of said sticker to minimize sticker shadow, the transverse extent of said bottom bearing being great enough to avoid bruising and substantially less in transverse extent than the width of said sticker to minimize sticker shadow, said bottom bearing being a composite bearing composed of two laterally spaced-apart-bearing surfaces, one adjacent each side edge of said sticker and each laterally disposed of said top bearing surface, said sticker being of solid cross section.

3,907,473 — Continuous presses. A. deMets, assignor to Bisonwerke Bahre and Greten GmbH and Co. KG, Germany. A continuous press for use in the production of chipboard, fiberboard or the like, including upper and lower cooperating pressing assemblies each comprising an endless belt carried by an endless conveyor in the form of a series of articulated plates guided by polygonal rollers, at least one pressure applying means mounted internally of each of said endless conveyors